

Amendments to and Listing of the Claims

Claim 1. (currently amended) ~~An~~ A cutting system comprising a substrate including paper or other photographic substrate; and an automatic device for trimming and cutting at right angles paper and other graphic and photographic substrates (1) ~~with~~ wherein the substrate has a series of images printed thereon, and wherein the substrate is ~~and~~ marked by boundary marks (M) comprising a preset sequence of white and black lines extending along an edge of each of said images oriented at right angles to a feed direction of the substrate, each of the white and black lines having a size and an intensity; ~~the~~ the automatic device comprising:

at least a pair of rollers (2) for feeding the substrate in said feed direction;

a first motor (3) driving the pair of rollers;

a cutting assembly (7) spaced apart from the pair of rollers, the cutting assembly having a cutting width and cutting along said cutting width, said cutting width being transverse to said feed direction;

a second motor (9) driving the cutting assembly to cut;

a third motor (5) pivoting one of the cutting assembly and the pair of rollers to align said cutting assembly (7) and one of said boundary marks (M);

a reading system having first and second spaced apart optical sensors (4, 4') that detect one of the boundary marks (M) between the images, the second optical sensor spaced from the first optical sensor a distance that extends along and is equal to a fraction of the cutting width, wherein said distance extends along said one boundary mark that is being detected; and

a microprocessor (12) in communication with said reading system and the second motor (9) and the third motor (5), the microprocessor having stored therein a stored intensity and a stored size respectively corresponding to the ~~size and intensity~~ intensity and size of each of the white and black lines, the microprocessor (12) configured (i) to recognize the boundary marks (M) based on a detection of the boundary mark by both the first and second optical sensors and a comparison between the stored intensity and a detected intensity of each of the white and black lines, and (ii) to control the second and third motors (9, 5) based on recognition of the boundary marks (M).

Claim 2. (currently amended) The ~~device~~ system according to claim 1, wherein said cutting assembly (7) has one end and an opposite end and is pivotally mounted at a pivoting point (8, 8') so as to rotate angularly under an action of said third motor (5) connected at the one end in order to get into alignment with one of said boundary marks (M), said pivoting point (8, 8') being provided at one of a central area of the cutting assembly and the opposite end.

Claims 3-7 (canceled)

Claim 8. (currently amended) The ~~device~~ system according to claim 1, wherein the cutting assembly comprises first and second parallel spaced apart blades (14a, b), whereby one of the boundary marks (M) is completely removed by cutting adjacent a first line of the preset sequence with the first blade and adjacent a last line of the preset sequence with the second blade.

Claim 9. (currently amended) The ~~device~~ system according to claim 1, wherein the microprocessor (12) is further configured to recognize the boundary marks (M) based on a comparison between the stored size of each of the white and black lines and a detected size of each of the white and black lines.

Claim 10. (currently amended) The ~~device~~ system according to claim 9, wherein the microprocessor (12) is further configured to recognize the boundary marks (M) based on a comparison of a sum of the stored size of each of the white and black lines and a sum of the detected size of each of the white and black lines.

Claim 11. (currently amended) The ~~device~~ system according to claim 10, wherein the microprocessor (12) is further configured to recognize the boundary marks (M) based on a determination that an angular correction for a second alignment and cutting with respect to a first alignment and cutting is less than a greatest drift which can be caused by the at least a pair of rollers (2) during a feed of the substrate.

Claim 12. (canceled).